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(71)Applicant : MITSUI GIYOUSAI SHOKUBUTSU BIO
KENKYUSHO:KK

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(72)Inventor : BABA TADASHI
SHIMADA HIROAKI

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(54) NEW RICE PLANT STARCH-BRANCHED ENZYMIC GENE

(57)Abstract:

PURPOSE: To carry out the production increase of a food, production of rice excellent in taste and breeding of a plant, especially rice plant by isolating a gene of a new starch-branched enzyme having an important influence on the synthesis of amylopectin.

CONSTITUTION: A DNA sequence in which all or a part of a gene of a new rice starch-branched enzyme is bound to a promoter of the gene or a promoter expressible in a plant cell in the forward or reverse direction is transduced into a plant such as rice plant to express the gene of the starch-branched enzyme or an antisense RNA. Thereby, the content of amylose or amylopectin which is starch in grains can be changed.

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